



## Domolen 1048TC

Domolen 1048TC is a CR modified homopolymer. The product is nucleated, and contains an anti-electrostatic agent, and shows a good flowability and excellent stiffness.

**Food Contact Applications:** This grade is in compliance with most regulations regarding food contact applications (EU, FDA). Specific information is available upon request.

### Properties (Typical values)

Properties	Unit	Test method	Value	
<b><u>Melt flow rate</u></b> MFR 230 / 2. 16	g/10 min	ISO 1133	48	
<b><u>Technical properties</u></b>				
Tensile modulus of elasticity (v = 1mm/min)	MPa	ISO 527-2	2000	
Tensile yield stress (v = 50mm/min)	MPa	ISO 527-2	38	
Tensile yield strain (v = 50mm/min)	%	ISO 527-2	8	
Tensile strain at break (v = 50mm/min)	%	ISO 527-2	>20	
Shear modulus	MPa	ISO 6721-2	1050	
Charpy impact strength notched	+ 23°C	kJ/m <sup>2</sup>	ISO 179 / 1eA	2
	- 30°C	kJ/m <sup>2</sup>	ISO 179 / 1eA	1
Charpy impact strength unnotched	+ 23°C	kJ/m <sup>2</sup>	ISO 179 / 1eU	90
	- 30°C	kJ/m <sup>2</sup>	ISO 179 / 1eU	13
Izod impact strength notched	+ 23°C	kJ/m <sup>2</sup>	ISO 180 / 1A	2.5
	- 30°C	kJ/m <sup>2</sup>	ISO 180 / 1A	1.3
Ball indentation hardness (H 358/30)	MPa	ISO 2039-1	90	
<b><u>Thermal properties</u></b>				
Melting point, DSC	°C	ISO 3146	163	
Heat deflection temperature:				
- HDT / A (1.8 MPa)	°C	ISO 75-2	62	
- HDT / B (0.45 MPa)	°C	ISO 75-2	105	
Vicat softening temperature:				
- VST / A (10N)	°C	ISO 306	157	
- VST / B (50N)	°C	ISO 306	100	
<b><u>Other properties</u></b>				
Density	g/cm <sup>3</sup>	ISO 1183	0.90	
<b><u>Applications</u></b>				
thinwalled packaging				

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For further information please contact: [polypropylene@domo.org](mailto:polypropylene@domo.org)

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